

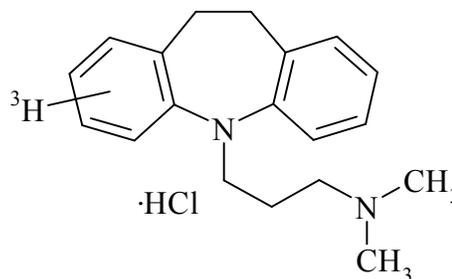
Caution: For Laboratory Use. A product for research purposes only.

IMIPRAMINE HYDROCHLORIDE, [BENZENE RING-³H(N)]-

Product Number: NET576

LOT SPECIFIC INFORMATION

Lot Number:	1851030
Specific Activity:	41.3 Ci/mmol
	1528 GBq/mmol
Production Date:	07-Jan-2014



M.W. 316
C₁₉H₂₅ClN₂

PACKAGING: 1.0 mCi/ml (37 MBq/ml) in ethanol, under argon, in a vial which protects the contents from UV light. Shipped on dry ice.

STABILITY AND STORAGE RECOMMENDATIONS: When imipramine hydrochloride, [benzene ring-³H(N)]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 0.5% per month from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: 40-70 Ci/mmol (1480-2590 GBq/mmol)

RADIOCHEMICAL PURITY: This product was initially found to be greater than 97% when determined by the following methods. The rate of decomposition can accelerate. It is advisable to check purity prior to use:

High pressure liquid chromatography on a Zorbax CN column using the following mobile phase:
1% triethylammonium acetate pH4 : acetonitrile, (9:1).

Thin layer chromatography on silica gel using the following solvent systems:

- chloroform : methanol : ammonium hydroxide, (9:1:0.1).
- ethanol : ammonium hydroxide, (29:1).
- ethyl acetate : butanol : ethanol : ammonium hydroxide, (70:10:15:1).

QUALITY CONTROL: The radiochemical purity of imipramine hydrochloride, [benzene ring-³H(N)]- is checked at appropriate intervals using the first listed chromatography method.

HAZARD INFORMATION: WARNING: This product contains a chemical known to the state of California to cause cancer.